



LAWRENCE LIVERMORE NATIONAL LABORATORY - SITE 300

Tracy, San Joaquin County, California

Office: Oakland Operations Office

Size: 7,000 acres (10.1 square miles)

NPL Status: Placed on the NPL on August 30, 1990.

Mission: The LLNL was established in 1952 to function as a national scientific and technical resource for the nuclear weapons program and other programs of national interest. LLNL performs research, development, and testing associated with the nuclear design aspects of all phases of the nuclear weapon life cycle. The Laboratory consists of two noncontiguous parcels, the Livermore Site and Site 300. Site 300 is used for high explosives testing.

Overview of Environmental

Conditions: Contamination of onsite groundwater and soil with tritium and trichloroethylene and high explosive compounds.

**CERCLA/RCRA Remediation
Funding in FY 98:** \$9,255,000

Progress in Reaching Interagency Agreement

An integrated (CERCLA/RCRA) FFA was negotiated and signed between DOE, EPA Region IX, the California EPA's Department of Toxic Substance Control, and the Central Valley Regional Water Quality Control Board on June 29, 1992. In October 1998, a revised Appendix A (schedule of deliverables) to the FFA was approved by the state and the EPA.

Specific Cost Estimates and Budgetary Proposals Involved in Each Interagency Agreement

Funds budgeted for environmental restoration to support the milestones in the FFA at the LLNL-Site 300 total \$9.8 million of appropriated funding for FY 99 and \$11.8 million for FY 00 according to the request in the President's Budget.

Public Comments Regarding Interagency Agreements

All stakeholders and interested parties have been involved in the development of the FFA and subsequent revisions.

Progress in Conducting Remedial Investigations/ Feasibility Studies

Under the terms of the FFA and at the request of the regulatory agencies, the Site 300 Site Wide Remedial Investigation (SWRI) Report was prepared. The final SWRI Report was submitted to the regulators in March 1994. The General Services Area (GSA) OU FS was completed in October 1995, the Building 834 OU Proposed Plan (PP) was completed in January 1995, and the Pit 6 OU FS Engineering Evaluation/Cost Analysis (EE/CA) was completed in November 1994.

DOE, LLNL, and regulatory agency personnel continue to work together to improve the CERCLA process to expedite cleanup at portions of LLNL-Site 300 that present potential risks to human health and the environment. At the GSA OU, two interim groundwater treatment facilities continued operation, and a final PP and ROD were completed in FY 97. At the Building 834 OU, an interim groundwater/vapor treatment facility continued operation, and a Title I Design for the Surface Water Drainage Project was completed. In FY 1998, a final action memorandum for Building 815 (OU 4) was completed and the Site 300 Site Wide FS and public meeting will be done in FY 99. A Site 300 site-wide PP for Interim ROD is planned for FY 00 and a Site 300 Interim ROD is planned for FY 2001.

Progress in Conducting Remedial Actions

The Interim Groundwater Facilities at the Eastern and Central GSA have continued to operate, and the Interim Soil Vapor Extraction Facility at Building 834 is operating. At GSA, the offsite plume has been significantly pulled back and offsite contamination has been reduced. A removal action to cap Pit 6 was initiated in FY 97 and completed in FY 98. Also, in FY 98, portable groundwater treatment units were installed at Building 815 as an interim removal action prior to the Site-Wide Interim ROD and the High Explosives Burn Pit closure was completed.